



**Great Lakes Works**  
Environmental Dept.  
No. 1 Quality Drive  
Ecorse, Michigan 48229

June 28, 2017



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Sir/Madam:

Re: *United States, et al. v United States Steel Corporation*  
Consent Decree 2:12-cv-304, DJ# 90-5-2-1-06476/1  
United States Steel Corporation – Great Lakes Works  
B2 Blast Furnace Two-bell Top Replacement

Pursuant to Paragraph V.A.12.d. of the above-referenced Consent Decree, U. S. Steel is submitting the B2 Blast Furnace Two-bell Top Replacement Report.

On May 12, 2017 the Great Lakes Works' B2 Blast Furnace was taken down for an extended outage for planned maintenance, including the in-kind replacement of the two-bell top. Installing the new top required a significant amount of work including:

- The lockout of the furnace top and associated equipment
- Removal of the bell beams and rods
- Removal of the small bell hopper
- Removal of the distributor
- Removal of the small bell
- Removal of the large bell hopper and large bell
- Removal of the gas seal
- Installation of the gas seal
- Installation of the large bell and large bell hopper

P. Miller ✓

June 28, 2017

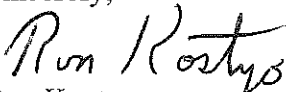
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- Installation of the small bell
- Installation of the distributor
- Installation of the small bell hopper
- Unlocking the furnace top and associated equipment
- Ringing of the large bell which ensures proper alignment and hopper seal
- Ringing of the small bell
- Simulation of operations to ensure proper operation and burden distribution

During the extended outage, USS personnel were inspecting the work being completed. Once the replacement was complete, USS personnel conducted simulations to ensure the top was functioning properly. The B2 Blast Furnace returned to production on June 9, 2017 after the top replacement.

I certify under penalty of law that this document and all attached were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. This certification requirement does not apply to emergency or similar notification where compliance would be impractical.

Sincerely,



Ron Kostyo  
General Manager, Great Lakes Works  
Great Lakes Works  
United States Steel Corporation



Alexis Piscitelli  
Director, Environmental Control  
Great Lakes Works  
United States Steel Corporation

cc: David Hacker (USS)

Attachments